

Claims

[c1] What is claimed is:

1.A method for generating output sound data in a pre-determined time period comprising:

mixing input sound data in the predetermined time period with input sound data in the previous time period, and with output sound data in the previous time period in order to generate the output sound data in the predetermined time period.

[c2] 2.The method of claim 1, using a sound synthesizer to generate the output sound data in the predetermined time period.

[c3] 3.A sound synthesizer comprising:

an input port for inputting sound data;

an output port for outputting sound data; and

a logic unit for mixing input sound data in a predetermined time period from the input port with input sound data in the previous time period from the input port, and with output sound data in the previous time period from the output port, in order to generate the output sound data in the predetermined time period.

- [c4] 4.The sound synthesizer of claim 3, wherein the logic unit comprises:
- a first delay element for delaying the input sound data from the input port;
 - a first mixer for mixing the input sound data from the input port and an input signal generated by delaying an output signal from the first mixer;
 - a second delay element for delaying the output signal from the first mixer; and
 - a second mixer for mixing the output signal from the first mixer with the sound data delayed by the first delay element.
- [c5] 5.The sound synthesizer of claim 3, further comprising a memory, wherein the logic unit comprises program code stored in the memory.